Rebuild Kit Instructions

3–WAY DIRECT–ACTING SOLENOID VALVE
NORMALLY CLOSED OPERATION — STEAM SERVICE
BRASS OR STAINLESS STEEL CONSTRUCTION — 1/4 NPT — 1/8″ ORIFICE

REBUILD KIT
No. 68164 & 61301600442
Form No.V7433

NOTICE: See separate solenoid installation and maintenance instructions for information on: Wiring, Solenoid Temperature, Cause of Improper Operation and Coil Replacement.

MAINTENANCE

⚠ WARNING: To prevent the possibility of death, serious injury or property damage, turn off electrical power, depressurize valve, and vent fluid to a safe area before servicing the valve.

Note: It is not necessary to remove the valve from the pipeline for repairs.

INSTALLATION OF REBUILD KIT

Valve Disassembly (Refer to Figure 1)

1. Disassemble valve in an orderly fashion using exploded view for identification and placement of parts.
2. Remove solenoid, see separate instructions.
3. Unscrew solenoid base sub–assembly from valve body. Then remove solenoid base gasket and core assembly with core guide and core spring.
4. Unscrew end cap and remove end cap gasket, disc holder spring and disc holder assembly. For stainless steel construction, remove disc holder assembly and disc holder pins (2).
5. All Parts are now accessible for cleaning or replacement. If parts are worn or damaged, install a complete rebuild kit.

⚠ CAUTION: To ensure proper valve operation, install all parts supplied in rebuild kit. Do not mix old and new parts.

Valve Reassembly

1. Reassemble valve using exploded view for identification and placement parts.
2. Lubricate all gaskets with DOW CORNING® 200 Fluid lubricant or an equivalent high–grade silicone fluid.
3. Replace disc holder pins (stainless steel construction only) disc holder assembly, disc holder spring, end cap gasket and end cap. Hand thread end cap into valve body as far as possible. For brass construction, torque end cap to 175 ± 25 in–lbs [19,8 ± 2,8Nm]. For stainless steel construction, torque end cap to 90 ± 10 in–lbs [10,2 ± 1,1 Nm].
4. Position solenoid base gasket in valve body.
5. Install core assembly with core spring and core guide into solenoid base sub–assembly. Hand thread solenoid base sub–assembly with core assembly into valve body as far as possible. Then torque solenoid base sub–assembly to 175 ± 25 in–lbs [19,8 ± 2,8Nm].
6. Install solenoid. See separate instructions.

⚠ WARNING: To prevent the possibility of death, serious injury or property damage, check valve for proper operation before returning to service. Also perform internal seat and external leakage tests with a nonhazardous, noncombustible fluid.

7. Restore line pressure and electrical power supply to valve.
8. After maintenance is completed, operate the valve a few times to be sure of proper operation. A metallic *click* indicates the solenoid is operating.

ORDERING INFORMATION

FOR REBUILD KITS

Parts marked with an asterisk (*) in the exploded view are supplied in Rebuild Kits. When Ordering Rebuild Kits for valves, order the Rebuild Kit number stamped on the valve nameplate. If the number of the kit is not visible, order by indicating the number of kits required, and the Catalog Number and Serial Number of the valve(s) for which they are intended.

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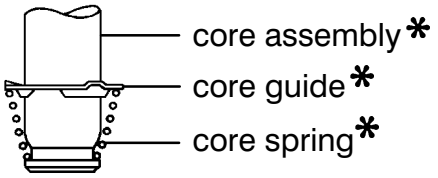
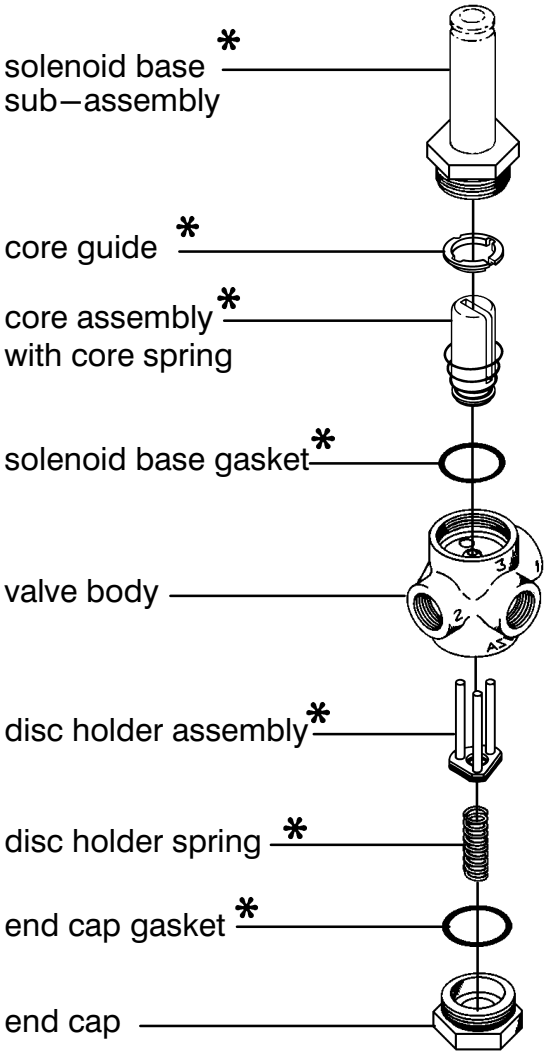
IMPORTANT

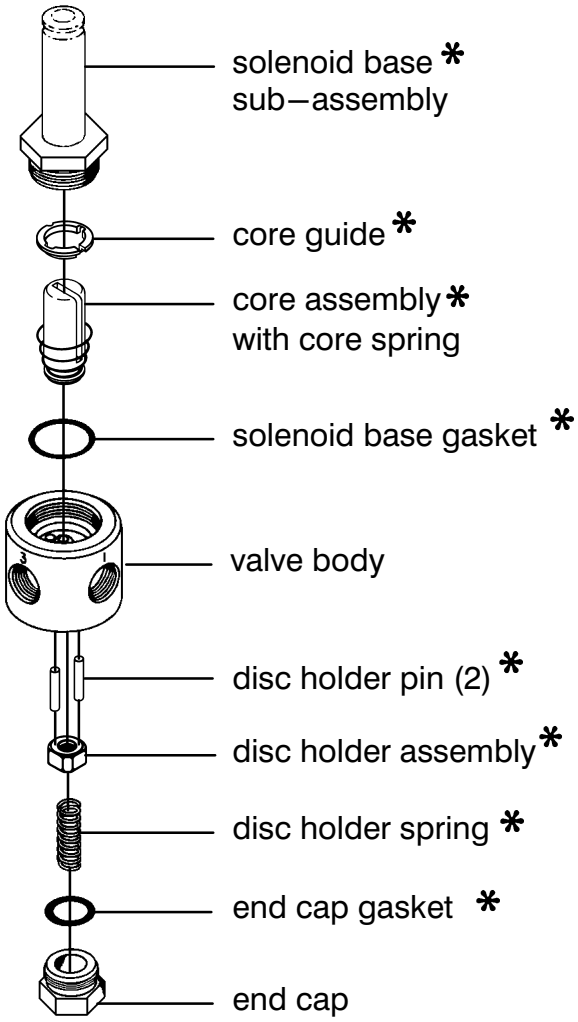
Partial cutaway view showing positioning of core guide and core spring on core assembly.

* Indicates Parts Supplied In Rebuild Kit





Brass Construction



Stainless Steel Construction

Figure 1. Valve without solenoid.

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